



DW Series Inductive Proximity Sensors

**DW-AD-611-C12P****DW-AD-611-C12P-1523**

12 x 27mm Small Rectangular Plastic - DC

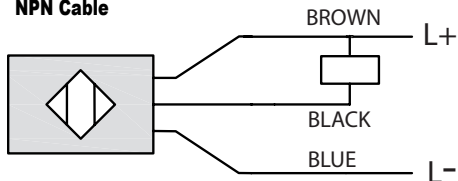
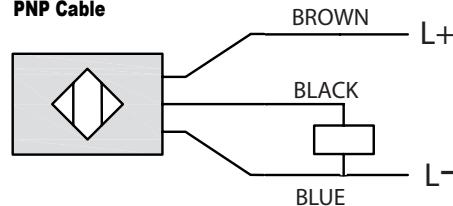
- LED status indicator
- IP67 rated
- 10-30 VDC
- Top or front sensing models
- N.O or N.C.
- IO-Link v1.0 (PNP models only)
- Mounting hardware included
- Lifetime warranty



DW Series Inductive Proximity Sensors									
Part Number	Price	Sensing Distance	Mounting	Output State	Logic	Connection	Wiring	Housing Size	Drawing Link
Top Sensing									
DW-AD-611-C12P	\$;5]7g:	4mm [0.15 in]	Non-flush	N.O.	NPN	3-wire, pigtail, 6.5ft/2m	Diagram 1	12 x 27 x 6.5 mm	PDF
DW-AD-612-C12P	\$;5]7h:			N.C.	NPN		Diagram 1		PDF
DW-AD-613-C12P	\$;-;5]7i:			N.O.	PNP		Diagram 2		PDF
Front Sensing									
DW-AD-611-C12P-1523	\$;-;5]7j:	4mm [0.15 in]	Non-flush	N.O.	NPN	3-wire, pigtail, 6.5ft/2m	Diagram 1	12 x 27 x 12 mm	PDF
DW-AD-612-C12P-1523	\$;5]7k:			N.C.	NPN		Diagram 1		PDF
DW-AD-613-C12P-1523	\$;;5]7f:			N.O.	PNP		Diagram 2		PDF

Note: Mounting hardware included.

Wiring Diagrams

Diagram 1**NPN Cable****Diagram 2****PNP Cable**



DW Series Inductive Proximity Sensors Specifications

DW Series Inductive Proximity Sensors Specifications	
Rated Operating Distance	4mm [0.15 in]
Assured Operating Distance	$\leq (0.81 \times S_n)$ mm
Material Correction Factors	See the Material influence table
Output Type	NPN or PNP, N.O. or N.C
Operating Voltage	10 to 30 VDC
No-load Supply Current	≤ 10 mA
Operating (Load) Current	200mA
Off-state (Leakage) Current	≤ 0.1 mA
Voltage Drop	≤ 2.0 V
Switching Frequency	$\leq 2,000$ Hz
Differential Travel (% of Nominal Distance)	$\leq 10\%$ s_r
Repeat Accuracy	0.2 mm
Ripple	$\leq 20\%$ U_B
Reverse Polarity Protection	Yes
Short-Circuit Protection	Yes
Operating Temperature	-25 to 70°C [-13 to 158°F]
Protection Degree (DIN 40050)	IP67
Indication/Switch Status	Yellow LED, sensing state ($0 < s \leq S_r$)
Housing Material	Polycarbonate
Sensing Face Material	Polycarbonate
Shock/Vibration	IEC 60947-5-2
Tightening Torque	≤ 0.4 Nm (for M3 screw)
Weight	33g [0.63 oz]
Connection	PVC, 3-wire, pigtail, 6.5 ft [2m]
IO-Link	v1.0 (PNP models)
Agency Approvals*	CE, cULus E239373, UKCA

* To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.